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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

CROP PROGRESS BEHIND NORMAL, MORE WARM WEATHER NEEDED

Crop progress statewide continues behind normal, however a good week helped close the gap, according to the Minnesota Agricultural Statistics Service. Warmer temperatures received throughout the state early in the week, and then precipitation at the end of the week produced favorable conditions for crop growth. Growing degree days since April 29th are still well below normal throughout the state.

The average temperature for the week was 68.0 degrees, 0.5 degrees below normal. Statewide topsoil moisture supplies as of July 2nd were rated 4% very short, 15% short, 76% adequate, and 5% surplus.

Corn height was 25 inches, compared with 37 inches for last year and 35 inches for the five year average. Soybeans were 8 inches, compared to 10 inches for the five year average.

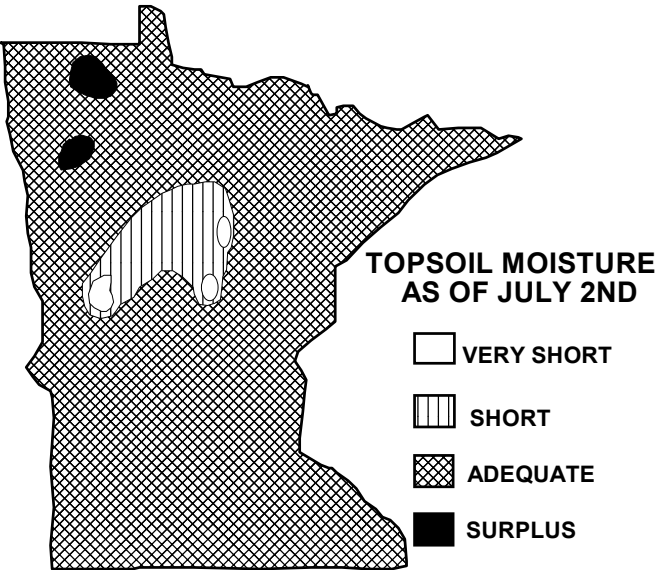
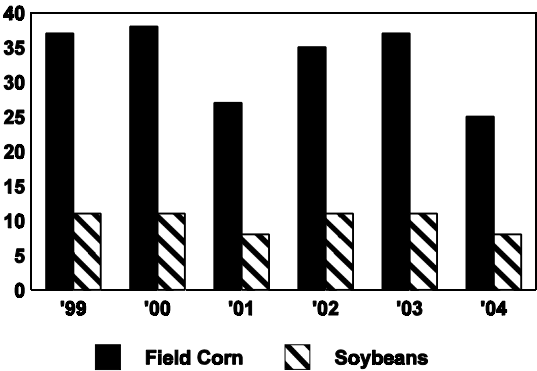
Corn condition rating of good to excellent was 60% this week compared to 56% last week. Soybean condition was rated 51% good to excellent which is the same as last week.

Spring wheat was 87% jointed compared with 99% last year and 92% for the five year average. Barley jointed was at 74% compared to 99% last year and 93% for the five year average. Oats were 91% jointed compared to the five year average of 96%.

The first cutting of alfalfa was 91% complete, which was below the five year average of 94%.

Days Suitable for Fieldwork : 6.1					
		Very Short	Short	Ade-quate	Sur-plus
Topsoil Moisture (%)		4	15	76	5
Crop Progress as of July 4, 2004					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Height - Inches	25	17	37	35
Soybeans	Height - Inches	8	6	11	10
	Blooming	6	NA	9	8
Spring Wheat	Jointed	87	74	99	92
	Heading	42	23	87	66
	Turning Ripe	1	NA	4	2
Oats	Jointed	91	83	99	96
	Heading	63	33	85	77
	Turning Ripe	4	NA	3	6
Barley	Jointed	74	58	99	93
	Heading	36	11	86	62
	Turning Ripe	1	NA	4	2
Alfalfa Hay	First Cutting	91	80	95	94
Crop Condition as of July 1 in Percent					
	Very Poor	Poor	Fair	Good	Exc
Pasture	2	7	31	54	6
Spring Wheat	3	6	36	43	12
Barley	2	14	50	27	7
Oats	1	7	32	53	7
Dry Beans	1	5	45	46	3
Canola	10	40	50	0	0
Potatoes	0	2	20	50	28
Sunflowers	7	20	48	23	2
Corn	2	6	32	51	9
Sugarbeets	1	4	36	54	5
Soybeans	2	8	39	45	6

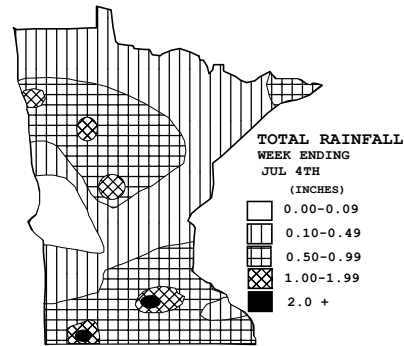
CORN & SOYBEANS HEIGHT
IN INCHES AS OF JULY 4th 1999-2004



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Director

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 4, 2004:
Temperatures averaged from 1.7 degrees below normal in the North-east District to 0.6 degree above normal in the East Central District. Extremes: 89° in Grand Rapids, Redwood Falls, Worthington, Faribault, Winona; 37° in International Falls. Precipitation averaged from 0.75 inch below normal in the West Central District to 0.51 inch above normal in the South Central District. Greatest weekly total was 3.47 inches.



Precipitation and Temperature Summary for 6/28/2004 through 7/4/2004

	Temperature				Precipitation				G D D	
	High	Low	Week Depart		Week	Depart	From Norm		Since	Depart
			Ave	from	Total	Past Four	Since		Apr	from
				Norm		Week	4/1		29	Norm
<u>NW DIST 1</u>										
Crookston	86	48	65.7	-2.4	1.83	1.04	-.41	3.96	593	-272
Moorhead	88	51	70.4	1.4	.23	-.53	-2.35	-.31	724	-179
Warroad	83	48	65.1	-.8	.38	-.53	-.38	5.64	498	-233
<u>NW DIST 2</u>										
Grand Rapids	89	46	67.0	1.0	.70	-.43	-3.05	-3.02	637	-111
Intl. Falls	85	37	62.1	-2.5	.13	-.76	-2.60	-.85	490	-209
Itasca	87	44	64.9	.2	1.56	.58	-1.60	-2.33	576	-113
<u>NE DIST 3</u>										
Duluth	84	48	64.4	.9	.34	-.67	-2.16	-2.70	473	-138
Grand Marais	85	45	55.8	-1.4	.94	.13	-.96	.54	269	-100
Hibbing	83	38	61.4	-2.9	.48	-.64	-2.69	-2.10	525	-142
Isabella	81	40	61.2	-3.5	.49	-.47	-1.71	-.70	400	-303
<u>WC DIST 4</u>										
Alexandria	84	50	69.2	.7	.01	-.89	-1.63	-.27	647	-208
Browns Valley	88	46	69.4	-1.2	.01	-.80	-.07	1.91	754	-201
Canby	86	49	70.5	-1.3	.45	-.45	.66	1.54	849	-160
Fergus Falls	88	50	70.6	2.2	0	-.84	-2.49	.36	711	-159
Montevideo	87	44	70.3	.0	.28	-.63	-1.62	1.48	805	-132
Morris	87	48	69.2	-.7	.04	-.91	-.29	.95	729	-212
<u>CENT DIST 4</u>										
Becker	88	50	70.2	1.7	.25	-.77	-.70	4.59	731	-132
Hutchinson	87	50	70.0	-1.0	.92	-.05	.50	2.77	830	-158
Olivia	88	48	69.4	-1.2	.71	-.25	.00	2.78	822	-160
St. Cloud	88	48	70.0	1.6	.20	-.72	-.68	1.77	760	-96
Staples	87	49	68.4	2.2	1.31	.36	-.98	-.89	619	-161
Willmar	87	52	70.0	-.3	.08	-.99	-.75	2.19	780	-176
<u>EC DIST 5</u>										
Aitkin	86	49	66.2	.8	.80	-.28	-1.82	-2.27	595	-125
MSP Airport	88	52	73.3	1.5	.56	-.42	-1.08	1.37	862	-151
St. Paul - UofM	86	50	71.8	-.6	.88	-.22	-1.12	1.20	900	-166
<u>SW DIST 7</u>										
Lamberton	88	49	70.2	-1.3	.76	-.11	.26	1.73	844	-173
Pipestone	87	44	69.4	-.9	.53	-.32	.25	1.64	794	-149
Redwood Falls	89	48	71.4	-1.1	.49	-.44	.70	5.11	858	-215
Worthington	89	50	70.8	.7	2.32	1.35	-.75	-.17	841	-87
<u>SC DIST 8</u>										
Faribault	89	48	70.1	-.5	1.32	.35	1.86	5.16	860	-95
Mankato	86	47	68.4	-2.7	3.47	2.28	5.97	5.54	843	-148
Waseca	88	46	69.2	-1.3	.88	-.11	2.79	2.62	893	-85
Winnebago	88	48	70.0	-1.2	.53	-.47	-1.65	.52	874	-125
<u>SE DIST 9</u>										
Preston	87	47	68.0	-1.5	.78	-.30	7.61	9.97	837	-56
Red Wing	87	52	69.4	-1.4	.79	-.18	1.49	3.08	853	-118
Rochester	86	49	69.7	.6	.15	-.86	4.51	6.27	843	-47
Rosemount	88	52	70.4	.4	.54	-.53	-.57	1.84	841	-90
Winona	89	52	70.2	-2.8	.29	-.65	2.82	6.30	903	-166

m=some data missing
Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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